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PRIORITY [] 5143

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SUBJ EVALUATION OF DELTA III TEST MISSION

1. THE FIRST DELTA III CAMERA SYSTEM WAS USED ON PHOTO-GRAPHIC TEST FLIGHTS FLOWN ON 8 AND 9 JUNE 1965. THE INITIAL FLIGHT CONSISTED OF A TOTAL OF 150 FRAMES WHICH WERE PROCESSED AT [] CHIPS OF THIS MISSION WERE FORWARDED TO

[] THE SECOND FLIGHT CONTAINED 953 FORWARD FRAMES AND 1265 AFT FRAMES WHICH WERE EXPOSED FROM ALTITUDES RANGING FROM 62 TO 70 THOUSAND FEET AND GROUND SPEED VELOCITIES OF 390 TO 410 KNOTS. A PITCH AND ROLL EXERCISE WAS INCLUDED. THE MATERIAL WAS PROCESSED AT []

2. ORIGINAL NEGATIVE:

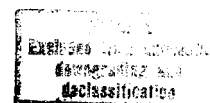
A. THE EXPOSURE WAS ADEQUATE AND THE RESOLUTION IS GOOD. ALTHOUGH SAND AND DUST STORMS PREVENTED THE READING OF RESOLUTION TARGETS IT HAS BEEN DETERMINED THAT THE GROUND RESOLUTION IS BETWEEN 12 TO 15 INCHES. INDIVIDUALS CAN BE DISTINGUISHED AND COUNTED IN THE BOULDER DAM AREA.

B. FWD LOOKING CAMERA: THE FIRST 17 FRAMES WERE FOGGED SUCH AS TO INDICATE A LIGHT LEAK IN THE FILM SUPPLY AREA OF THE VEHICLE. THE FILM WAS FOGGED WHILE SPOOLED AND EACH CONSECUTIVE FOGGED AREA IS SMALLER AND LESS AFFECTED.

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C. AFT LOOKING CAMERA: THE FIRST FRAME IS FOGGED. A MINUS DENSITY STREAK IS PRESENT 0.5" FROM THE DIGITOTE EDGE OF THE FORMAT THROUGHOUT.

D. BOTH CAMERAS: THERE ARE NO TIMING MARKS, CAMERA NUMBER OR BINARY WORD. TRANSVERSE BANDING IS PRESENT IN THE FIRST 0.5" OF ALL FORMATS AND DETECTABLE ACROSS THE ENTIRE FORMAT IN APPROXIMATELY 10 PERCENT OF THE MISSION. RAIL SCRATCHES ARE CONTINUOUS THROUGHOUT THE MISSION.

3. POSITIVES:

THE POSITIVES WERE NOT EVALUATED.

4. REMARKS: THE IMAGE QUALITY WAS NOT NOTICEABLY AFFECTED BY THE PITCH AND ROLL EXERCISE. GOOD CULTURAL FEATURES WERE NOT INCLUDED DURING THIS EXERCISE. THE EXPOSURES WERE OVER A MOUNTAINOUS AREA AND ALTHOUGH SMEARS COULD NOT BE DETECTED IT IS SUGGESTED THAT ADDITIONAL TESTS BE CONDUCTED OVER A MORE CULTURAL AREA AND THAT THE RATE OF PITCH AND ROLL BE VARIED AND RECORDED. ACTUAL PITCH AND ROLL SHOULD AFFECT ONLY THE GROUND TRACK AND GROUND COVERAGE. THE RATE WILL AFFECT THE IMAGE QUALITY.

T O P S E C R E T

-END OF MESSAGE-